# 1:2 VGA Hub

**EXT-VGA-142N**
**USER MANUAL**

**www.gefen.com**

## ASKING FOR ASSISTANCE

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|---|---|
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## INTRODUCTION

The 1:2 VGA Hub allows computers with VGA graphic cards to display a picture on two VGA displays or projectors simultaneously, making it perfect for presentations where the operator uses a small monitor at the computer while the audience views the image on a second larger display or projector.

### How It Works

The 1:2 VGA Hub is connected to a PC video source with a VGA (male to female) cable from the computer's VGA graphics card port to the VGA Hub's input connector.

There are two VGA outputs on the 1:2 VGA Hub. VGA output one is the Primary connection, which queries the Primary Display attached to it and determines the possible video resolutions, timings and frequencies that can be used to create a picture. This information is called EDID (Extended Display Identification Data).

VGA output two is connected to the second (Secondary) display and creates an image by following the EDID settings obtained from the first (Primary) display; therefore, both displays should be capable of the same resolutions and refresh rates in order to display an identical picture. For more information regarding EDID, please read the Operation Notes immediately below this paragraph.

## OPERATION NOTES

### READ THESE NOTES BEFORE INSTALLING OR OPERATING THE 1:2 VGA HUB

- Display information (EDID) is not sent back to the source. Standard VESA resolutions should be output by most computers without the need of an EDID. If using a non-VESA standard resolution or if EDID is needed, an EDID storage and relay device is necessary. Gefen recommends the use of a DVI Detective (part# EXT-DVI-EDID, EXT-DVI-EDIDN, or EXT-DVI-EDIDP) with two VGA to DVI adapters.

**Features**

- Connects computers with VGA graphics to two VGA compatible monitors
- Allows two VGA displays to be connected at the same time to the same video source
- Simultaneous display at local and remote locations
- Maintains highest video resolution up to 1920 x 1200 and 1080p
- Installs in seconds

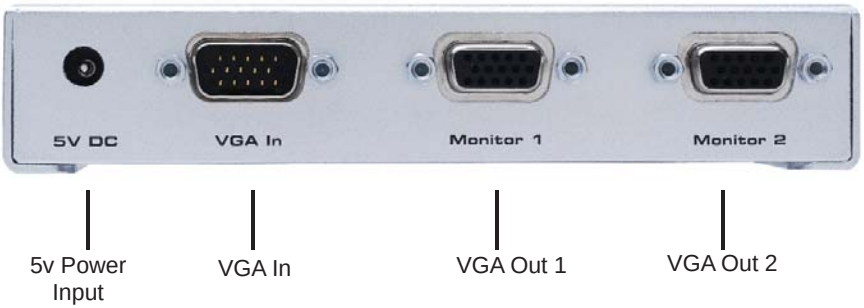
**Includes:**

(1) VGA Hub
(1) 6' VGA cable (M-F)
(1) 5VDC Power Supply
(1) User's Manual

## *Front*

Gefen
1:2VGAhub
VGA Distribution Amplifier
Power
Power Light

## *Back*


5V DC
VGA In
Monitor 1
Monitor 2
5v Power Input
VGA In
VGA Out 1
VGA Out 2

### How to Connect the 1:2 VGA Hub to your devices

1- Connect the supplied VGA cable from the VGA device into the 1:2 VGA Hub Input.

2- Connect the cables from your displays (monitor or projector) into the VGA Out slots in the back of the 1:2 VGA Hub

4- Plug the 5v power supply into the 1:2 VGA Hub.

5- Plug the 5v wall mount power supply into the wall outlet.

**NOTE:** Display information (EDID) is not sent back to the source. Standard VESA resolutions should be output by most computers without the need of an EDID. If using a non-VESA standard resolution or if EDID is needed, an EDID storage and relay device is necessary. Gefen recommends the use of a DVI Detective (part# EXT-DVI-EDID, EXT-DVI-EDIDN, or EXT-DVI-EDIDP) with two VGA to DVI adapters.

## SPECIFICATIONS

Video Amplifier Bandwidth ..... 350 MHz

Input Video Signal ..... 1.2 volts p-p

Maximum Resolution ..... 1920 x 1200

Power Consumption ..... 5 Watts (max.)

Power Supply ..... 5V DC

Dimensions ..... 2.6”W x 1.1”H x 2.6”D

Shipping Weight ..... 2 Lbs